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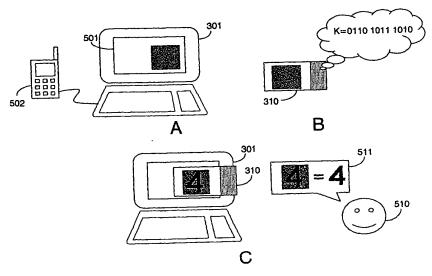
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[Continued on next page]

(54) Title: SECURE DATA INPUT DIALOGUE USING VISUAL CRYPTOGRAPHY



(57) Abstract: A method of secure transmission and reception of a message from a user. An image (320) representing a plurality of input means, e.g. an image of a keypad, is generated and encoded. The image is encoded using visual cryptography using a key sequence stored in a decryption device (310) as randomization. The randomized image is transmitted to the client device (301), where it is displayed on a first display (501). The randomization is displayed on a second display (311). Superimposing the first and second displays reveals the image. The client device (301) allows the user to select particular spots on the first display (501) that correspond to the location of particular input means on the reconstructed image. The coordinates of these spots are transmitted back to the server (300), which can translate them to the particular input means selected by the user. The message is then constructed as the input symbol represented by the particular input means.

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

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H04K1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

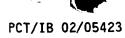
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A	page 4, line 14 -page 6, line 22; figure 2	1,5,9,10
A	US 6 209 102 B1 (HOOVER DOUGLAS) 27 March 2001 (2001-03-27) cited in the application column 2, line 5 -column 4, line 7; figures 1,3	1,3,4,9
A	NAOR M ET AL: "Visual cryptography" ADVANCES IN CRYPTOLOGY. EUROCRYPT, XX, XX, 12 May 1994 (1994-05-12), pages 1-12, XP002205767 cited in the application page 1; figure 1 -/	1,2,5

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Date of the actual completion of the international search	Date of mailing of the international search report
10 April 2003	22/04/2003
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European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Seytter, F

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